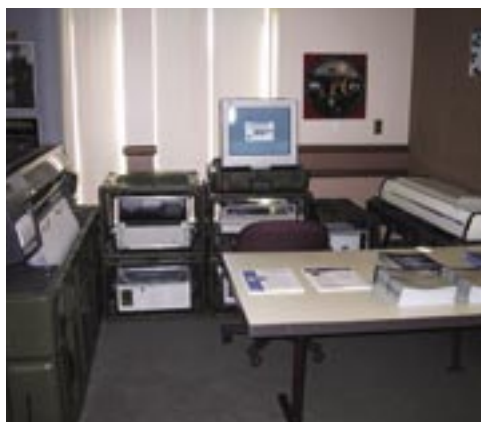


## Topographic Production Capability



### DESCRIPTION

The TPC supports the Marine Corps operational mission by improving the topographic and geospatial analytical capabilities of the Marine Expeditionary Forces (MEF) Topographic Platoons and, for the first time, provides the Marine Division with a resident topographic capability. This has resulted in a system that speeds geospatial information collecting, processing, production and dissemination for up-to-date mapping and geographic analysis products to the supported commander, whether at the Command Element, MAGTF or Joint levels.

The TPC provides the geospatial framework/foundation for the Common Tactical Picture (CTP) of the battlefield; terrain analysis in support of the Intelligence Preparation of the Battlefield process; all-source terrain data storage, processing, analysis and integration; as well as briefing and decision-aid development support. The TPC consists of the Tactical Geospatial Information Library (TGIL),

the Deployable Geospatial Information Library (DGIL) workstations and Server, the Digital Terrain Analysis Mapping System (DTAMS), and the Geodetic Survey Set (GSS).

### OPERATIONAL IMPACT

The TPC is the only tactical system in the Marine Corps inventory, which satisfies the Marine Corps geographic intelligence requirements across the DOT-MLPF. The TPC is used by the Topographic Platoon (Topo Plt) of the MEF and provides deployable modules down to the Major Subordinate Commands (MSC) and the Marine Expeditionary Units (MEU). It may also be used to support the Commander, Joint Task Force or Marine Component Commander.

The TPC provides the capability to scale up or down, dependent on the type of mission, size of the force, and specified geospatial requirements. The TPC is a transportable, highly mobile, modularized network of systems that allows the commander to exercise near real-time control, coordination, and direction of MAGTF geospatial and geographic intelligence production operations. Geographic Intelligence Specialists, MOS 0261, can employ TPC equipment in garrison, field, and shipboard operations or exercises. The primary mission of the TPC is to provide an systems infrastructure, processes, and people, that enables robust geospatial information (GI) and geographic intelligence applications and data to support battlespace awareness across all ROMOs and geographic

regions via tactical networks. The TPC will use the Marine Corps Intelligence, Surveillance, and Reconnaissance - Enterprise (MCIRE-E) architecture to connect to the global information grid (GIG) for an end-to-end set of information capabilities and processes to collect, process, store, disseminate and manage all geospatial information (GI) and geographic intelligence information on demand to the MAGTF. Geospatial information (GI) and geographic intelligence activities occur in all phases of the intelligence cycle. Geographic Intelligence is integrated throughout this cycle to ensure collection, integration, analysis, dissemination, and use of intelligence data is tied to the geographic framework/foundation.

**PROGRAM STATUS**

The TPC has been fielded to I, II, III MEF, and the Defense Geospatial-Intelligence School (DGS). Anticipated fielding of the TPC to the Marine Corps Intelligence Activity (MCIA) is fourth quarter FY 05. Additionally, TPC components have been assigned to support each of the Marine Divisions, the Chemical Biological Incident Response Force (CBIRF) in Indian Head, MD, and the Marine Corps Special Operations Command (MARSOC) Detachment-1 at Marine Corps Base, Camp Pendleton, CA.

Procurement Profile:	FY 06	FY 07
Quantity:		
TGIL	0	0
DGIL-S	0	0
DGIL-W	0	0
DTAMS	0	0
Developer/Manufacturer:		
Hardware/Software Integrator:		
Northrop Grumman Information Technology,		
TASC, Chantilly, VA		